BOSTER BIOLOGICAL TECHNOLOGY
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Anti-PNAS4 DESI2 Antibody

Catalog Number: A14424

About DESI2

PNAS4 is a highly conserved protein that shares high homology from plants to animals. It was initially identified as a putative apoptosis-related protein in the human acute promyelocytic leukemia cell line NB4. PNAS4 is activated during the early response to DNA damage and can inhibit proliferation via apoptosis when overexpressed in some tumor cells such as U2OS, SKOV3, and A549. PNAS4 inhibits tumor cell proliferation through the following mechanisms: (i) overexpression of PNAS4 causes S phase arrest by regulating the expression of cell cycle-related proteins and (ii) PNAS4 induces apoptosis through the mitochondrial apoptosis pathway. Recent evidence has shown that PNAS4 may be involved in the genesis of some cancers and could be a potential candidate for lung cancer therapy alone or in combination with gemcitabine. At least two isoforms of PNAS4 are known to exist.

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Overview

Product Name	Anti-PNAS4 DESI2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PNAS4 DESI2 Antibody (Catalog # A14424). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	PNAS4 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	PNAS4 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9BSY9

Technical Details

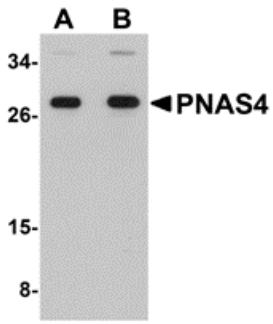
Immunogen	PNAS4 antibody was raised against a 19 amino acid synthetic peptide near the carboxy terminus of human PNAS4. The immunogen is located within the last 50 amino acids of PNAS4.

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Predicted Reactive Species	Chicken, Pig
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	PNAS4 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	PNAS4 antibody can be used for detection of PNAS4 by Western blot at 1 - 2 ug/mL. Antibody validated: Western Blot in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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Anti-PNAS4 DESI2 Antibody (A14424) Images



Western blot analysis of PNAS4 in EL4 cell lysate with PNAS4 antibody at (A) 1 and (B) 2 ug/mL.

Anti-PNAS4 DESI2 Antibody

For Research Use Only. Not for use in diagnostic procedures.